

Title (en)

TARGET POSITIONING METHOD AND DEVICE, AND COMPUTER-READABLE MEDIUM

Title (de)

ZIELPOSITIONIERUNGSVERFAHREN UND -VORRICHTUNG SOWIE COMPUTERLESBARES MEDIUM

Title (fr)

PROCÉDÉ ET DISPOSITIF DE POSITIONNEMENT DE CIBLE, ET SUPPORT LISIBLE PAR ORDINATEUR

Publication

**EP 4195150 A4 20240626 (EN)**

Application

**EP 20953782 A 20200921**

Priority

CN 2020116575 W 20200921

Abstract (en)

[origin: EP4195150A1] A target positioning method and device, and a computer-readable medium, relating to computer vision technologies and used for determining the position of a target object in a real physical environment. The method comprises: acquiring (S406) a first frame of picture from a first camera; recognizing (S407) the target object in the first frame of picture; determining (S408) a second area in which the target object is positioned in the first frame of picture; and determining (S409) a first area corresponding to the second area in which the target object is positioned. The problem that the function between the position in a picture taken by a camera obtained through curve fitting and the position in the physical environment is inaccurate is avoided. Compared to complex curve fitting, the use of correspondences between a finite number of areas as position relationships is easy to achieve, and has the advantages of simplicity and accuracy in scenarios which do not require high-accuracy vehicle positioning, such as determining whether a car is parked into a certain space for the purposes of car parking management.

IPC 8 full level

**G06V 20/54** (2022.01); **G06T 7/246** (2017.01); **G06V 20/56** (2022.01); **G06V 20/58** (2022.01)

CPC (source: EP US)

**G06T 7/11** (2017.01 - US); **G06T 7/246** (2017.01 - EP US); **G06T 7/74** (2017.01 - US); **G06V 20/54** (2022.01 - EP); **G06V 20/586** (2022.01 - EP); **G06V 20/588** (2022.01 - EP); **G06T 2207/30204** (2013.01 - EP US); **G06T 2207/30232** (2013.01 - US)

Citation (search report)

- [X] AU 2019100914 A4 20190926 - UNIV WEIFANG [CN]
- [A] US 8836788 B2 20140916 - NERAYOFF STEVEN DAVID [US], et al
- [A] CN 109064755 A 20181221 - HEBEI DEGURON ELECTRONIC TECH CO LTD
- See also references of WO 2022056924A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 4195150 A1 20230614**; **EP 4195150 A4 20240626**; CN 115867937 A 20230328; US 2023316566 A1 20231005; WO 2022056924 A1 20220324

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